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FIG. 1

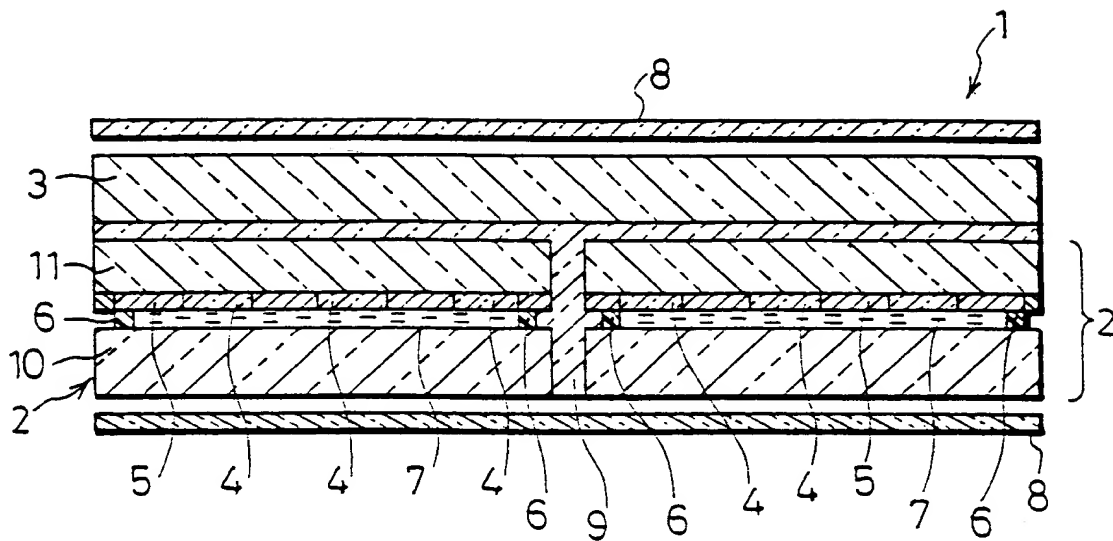
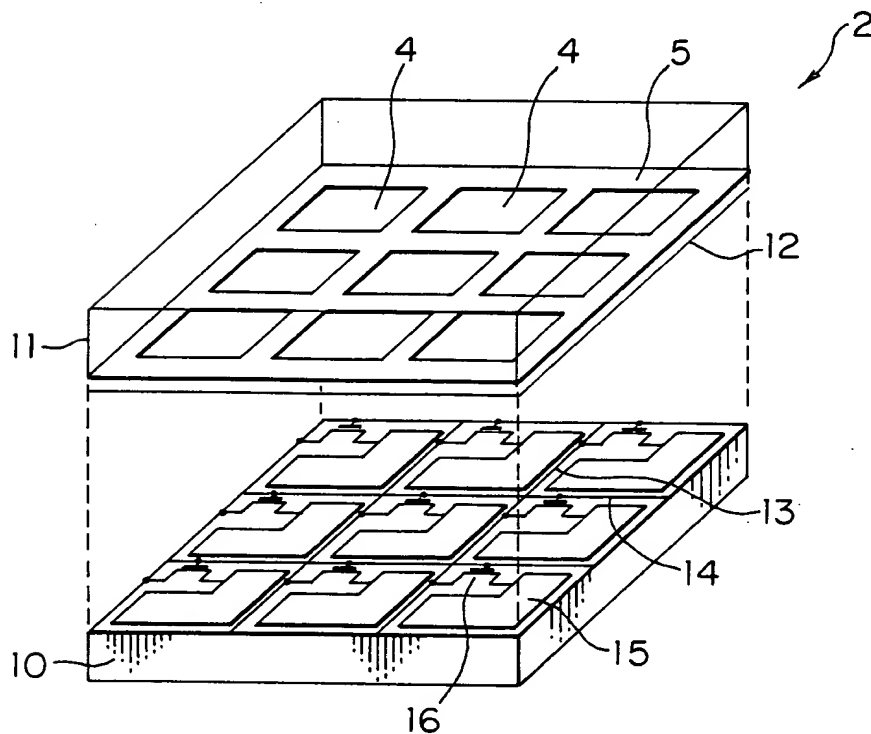


FIG. 2



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FIG. 3 (a)

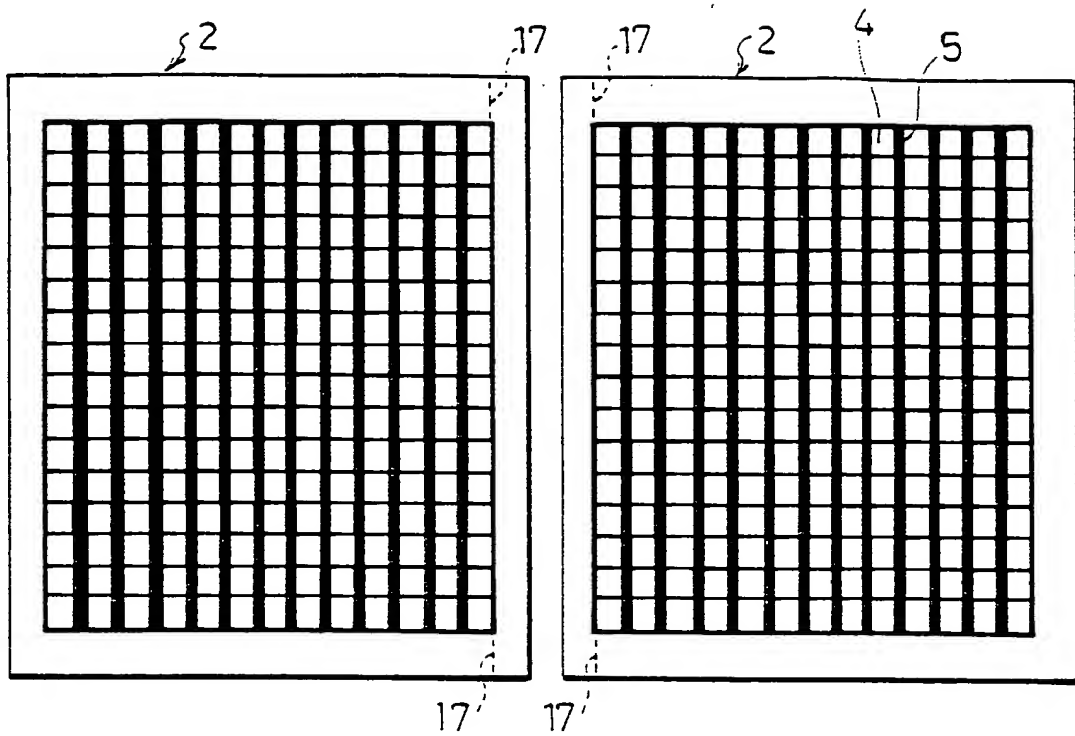


FIG. 3 (b)

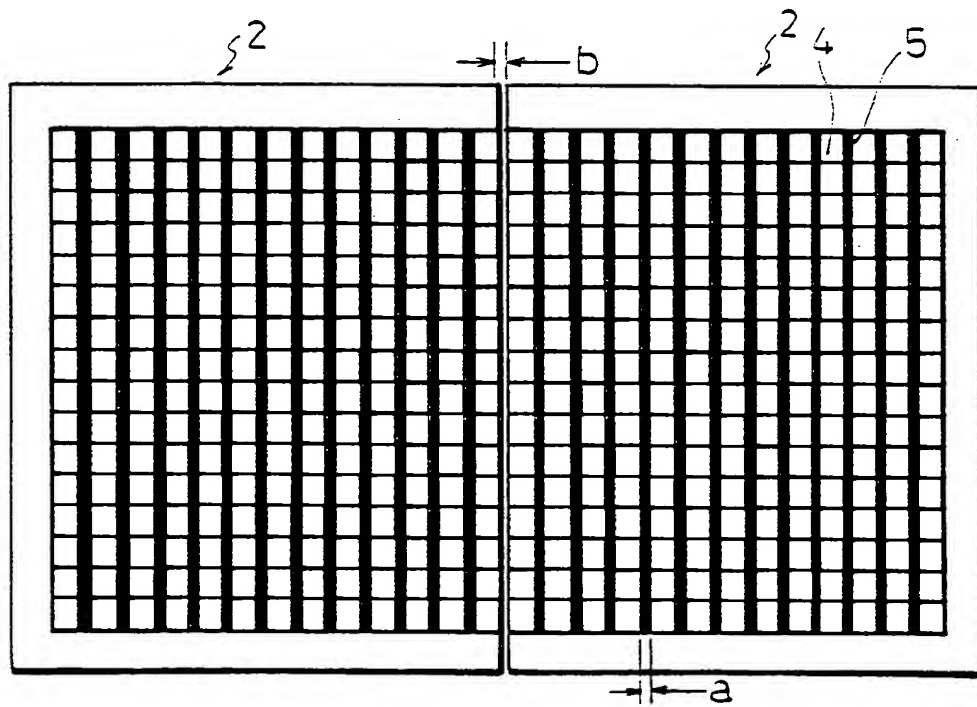


FIG. 4

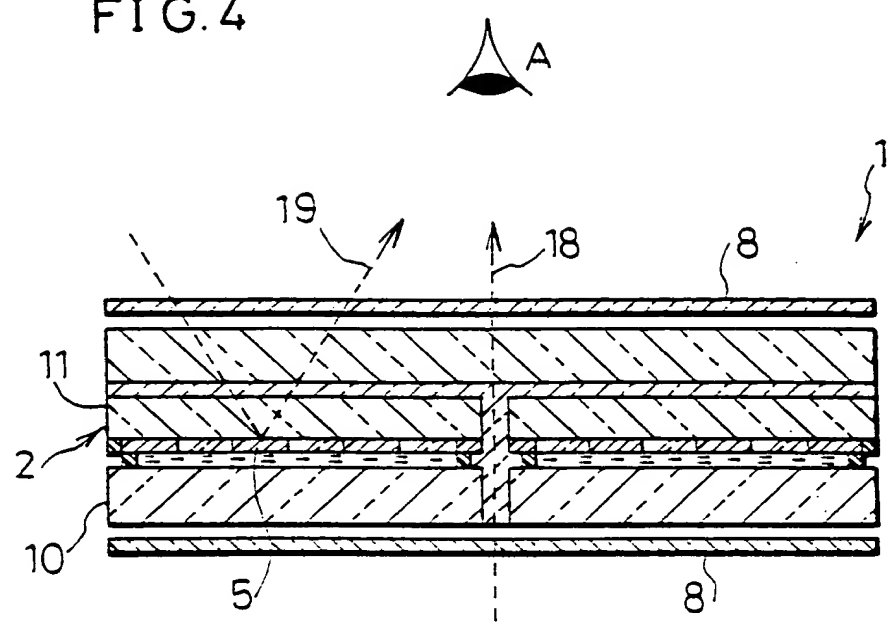
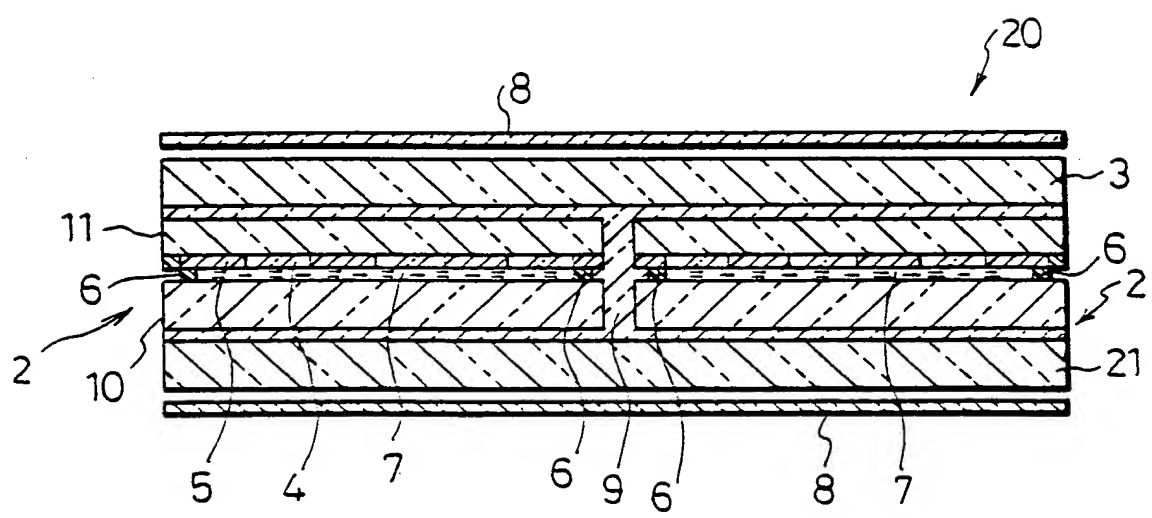


FIG. 5



A detailed cross-sectional view of a multi-layered structure 30. The structure consists of a central core 31, which is a rectangular block with diagonal hatching. This core is surrounded by several layers and interfaces. On the left side, from the outermost layer inward, there is a thin layer 2, followed by a layer 10, a layer 6, a layer 11, and a layer 3. On the right side, from the outermost layer inward, there is a thin layer 2, followed by a layer 6, a layer 7, a layer 4, a layer 5, a layer 9, and a layer 6. The central core 31 is flanked by layers 8 and 8' on the left and right respectively. The entire structure is shown in a cross-section, with various layers and interfaces labeled with numbers 2 through 11.

FIG. 8(a)

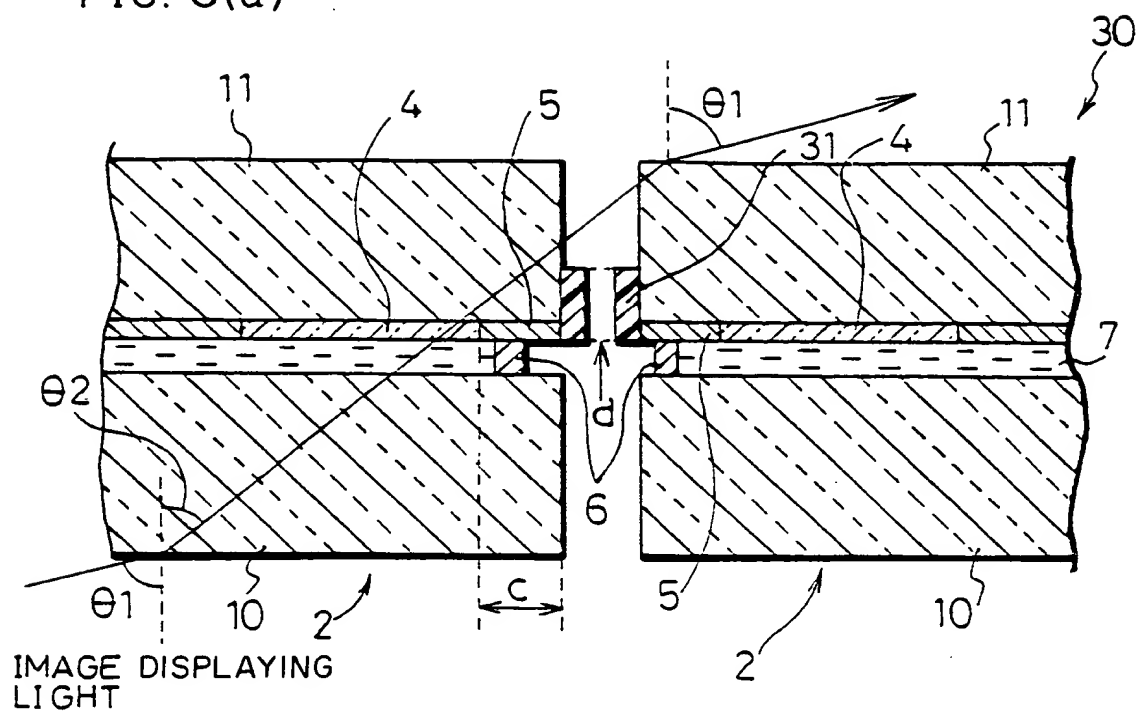


FIG. 8(b)

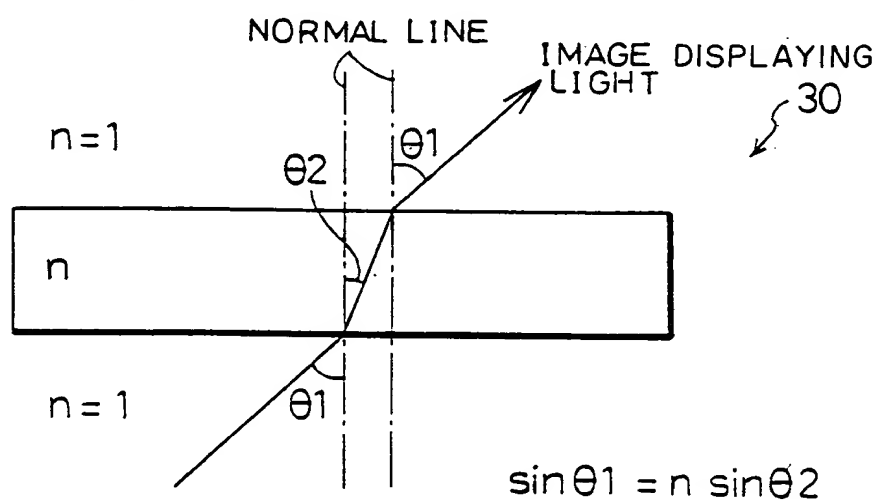


FIG. 9

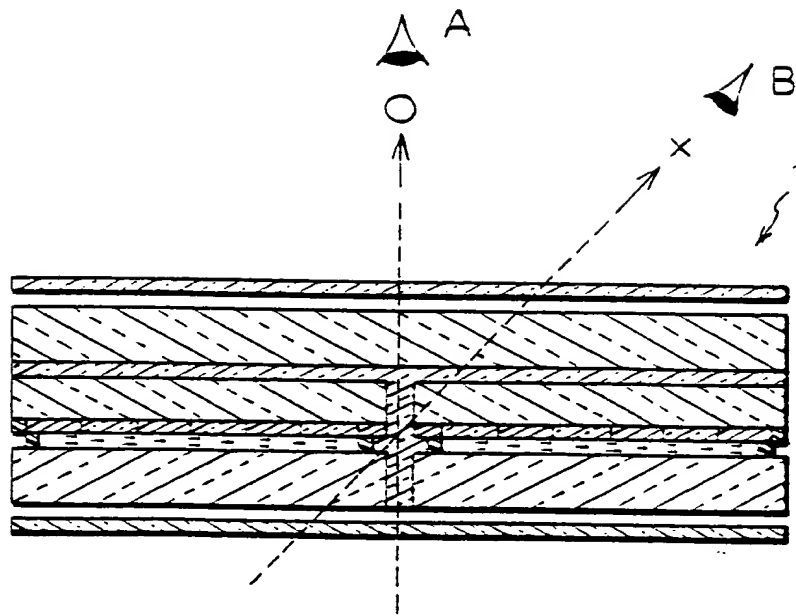
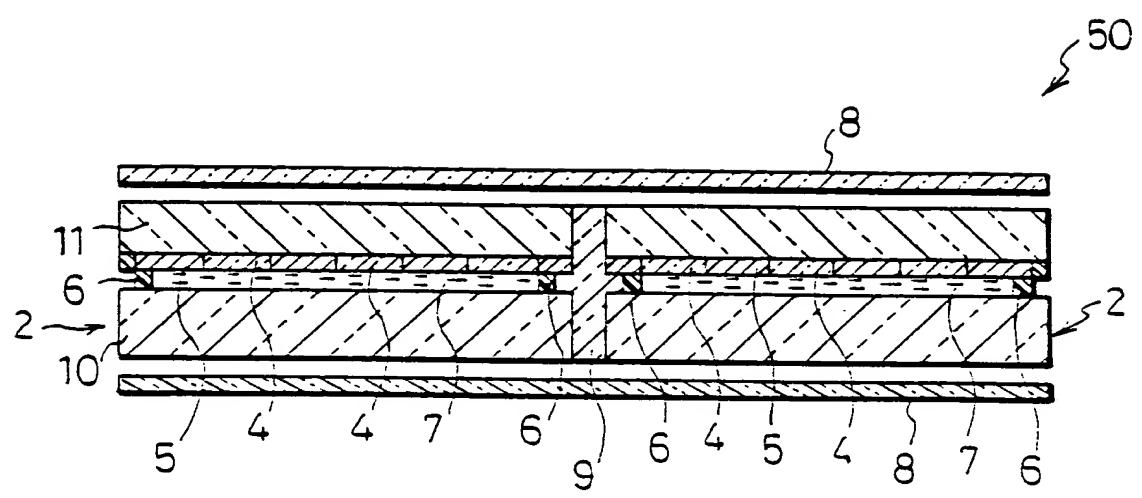


FIG. 12



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FIG. 13

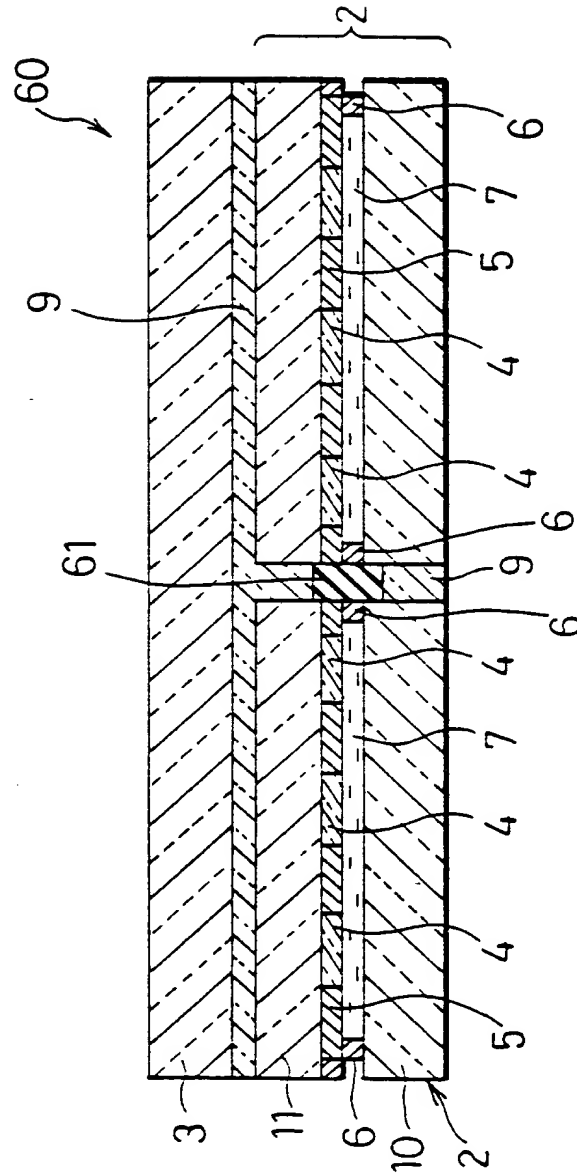


FIG. 14(a)

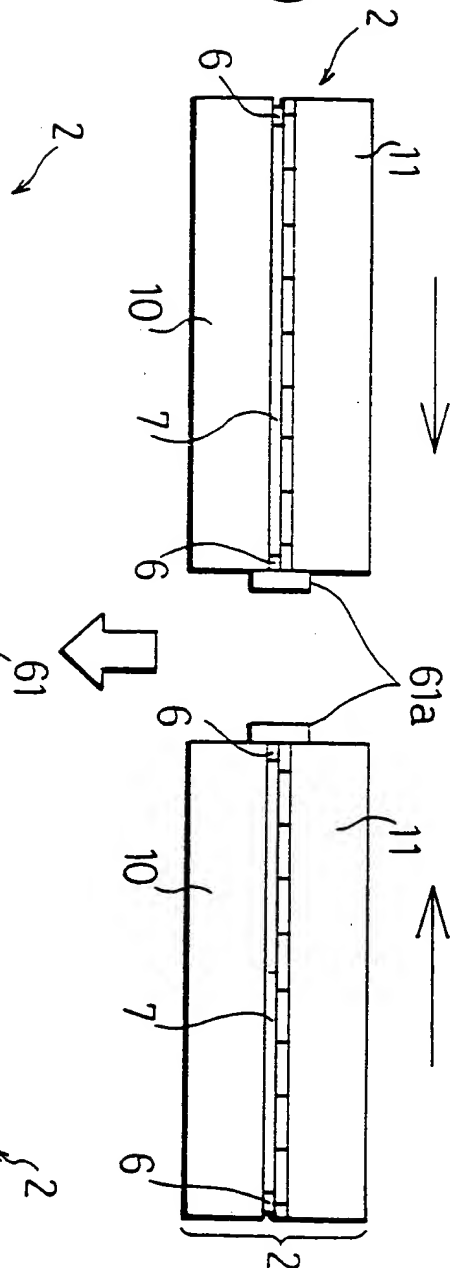


FIG. 14(b)

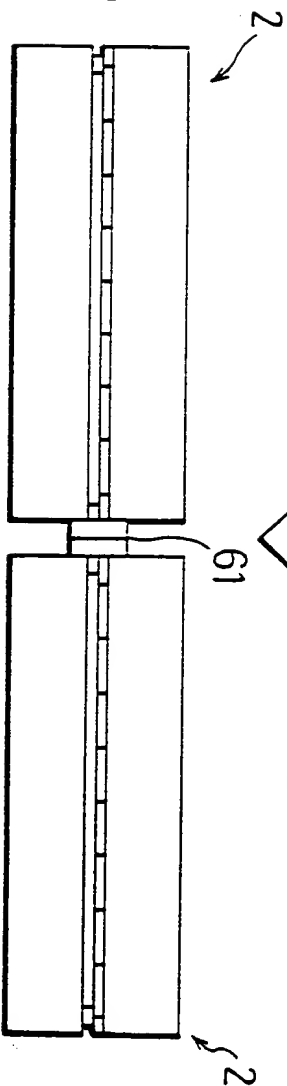
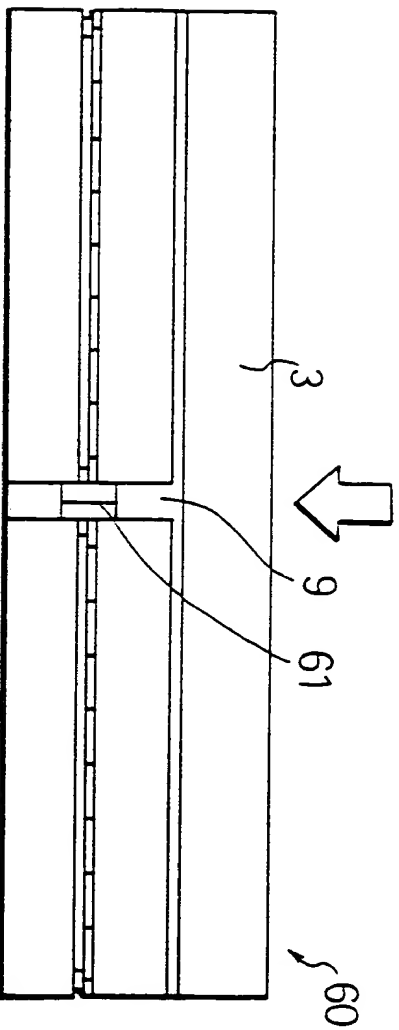


FIG.14(c)



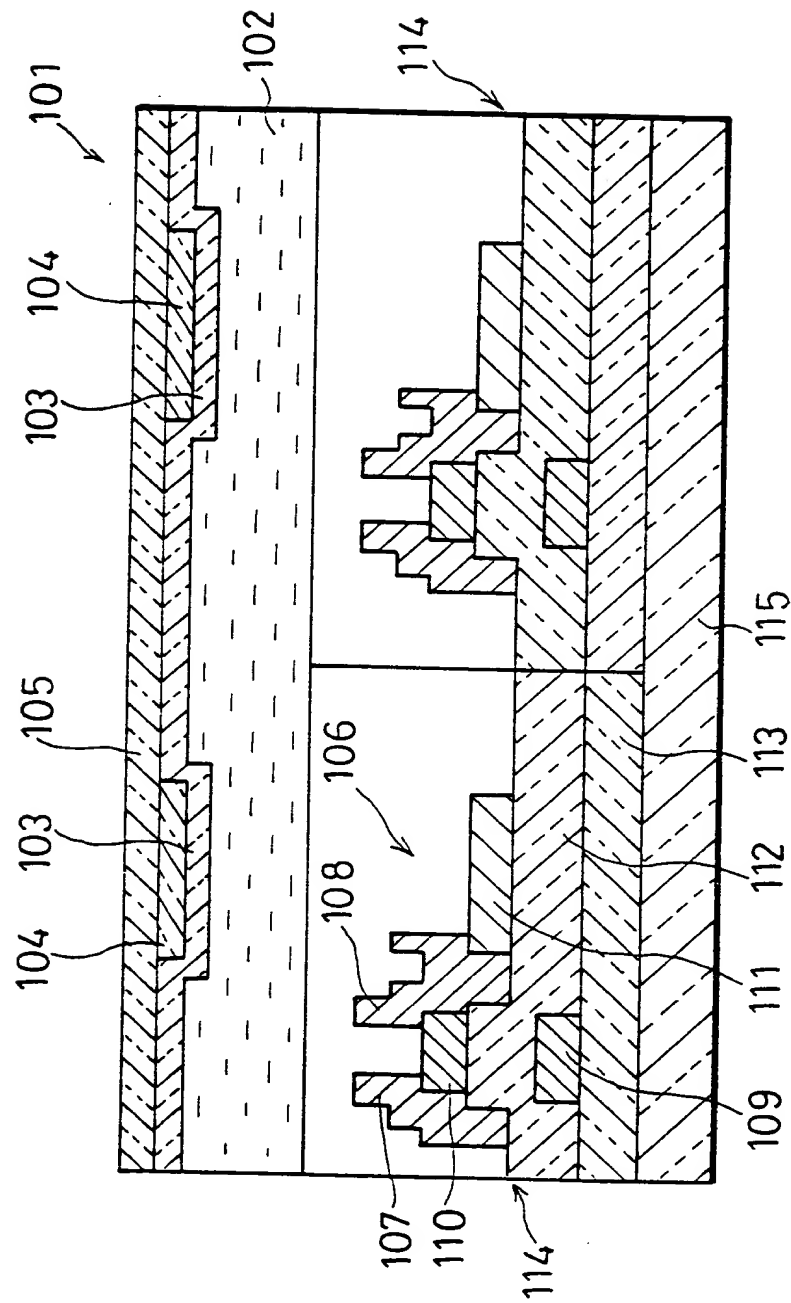


FIG. 16
(PRIOR ART)

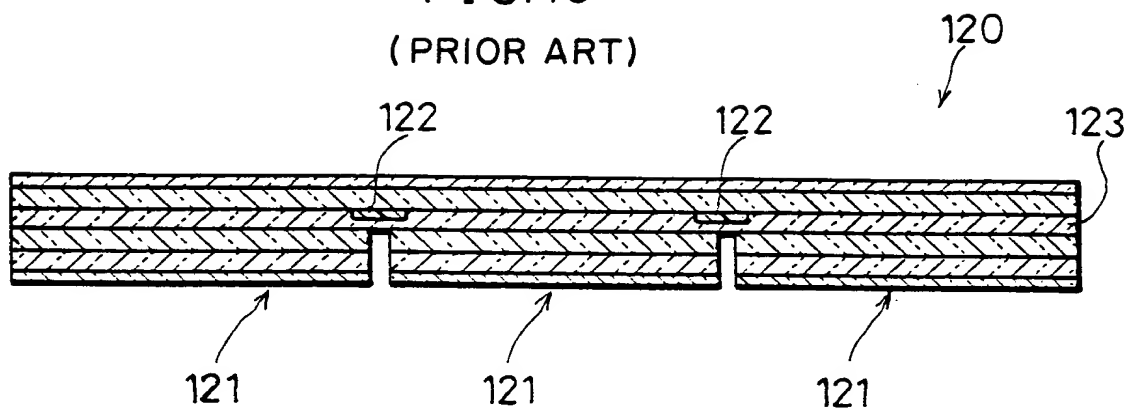
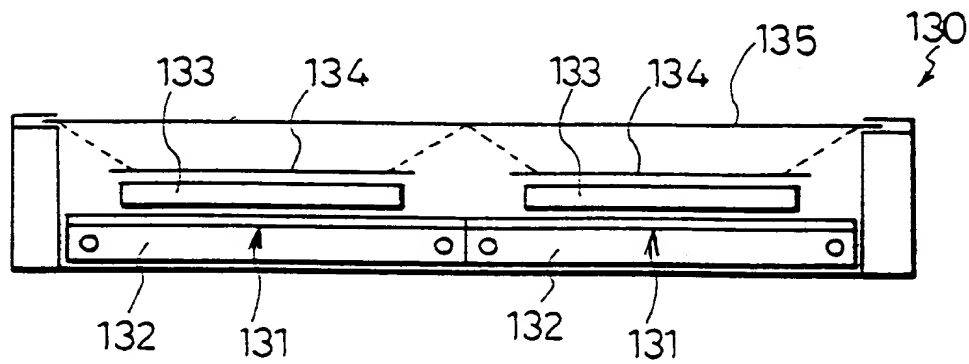


FIG. 17
(PRIOR ART)



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FIG. 18
(PRIOR ART)

